

Lab Farm

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Marktonderzoek

Smart Object	Technologieën
Smart Pot	Self-watering, App dashboard
Planty	Self-watering via internet
Edyn garden sensor kit	Tracks light, temperature, humidity ...
SPOT	Self-watering, takes pictures
Aquaponics system	Uses pumps & hydraulica
Gardena Micro-Drip System	Self-watering

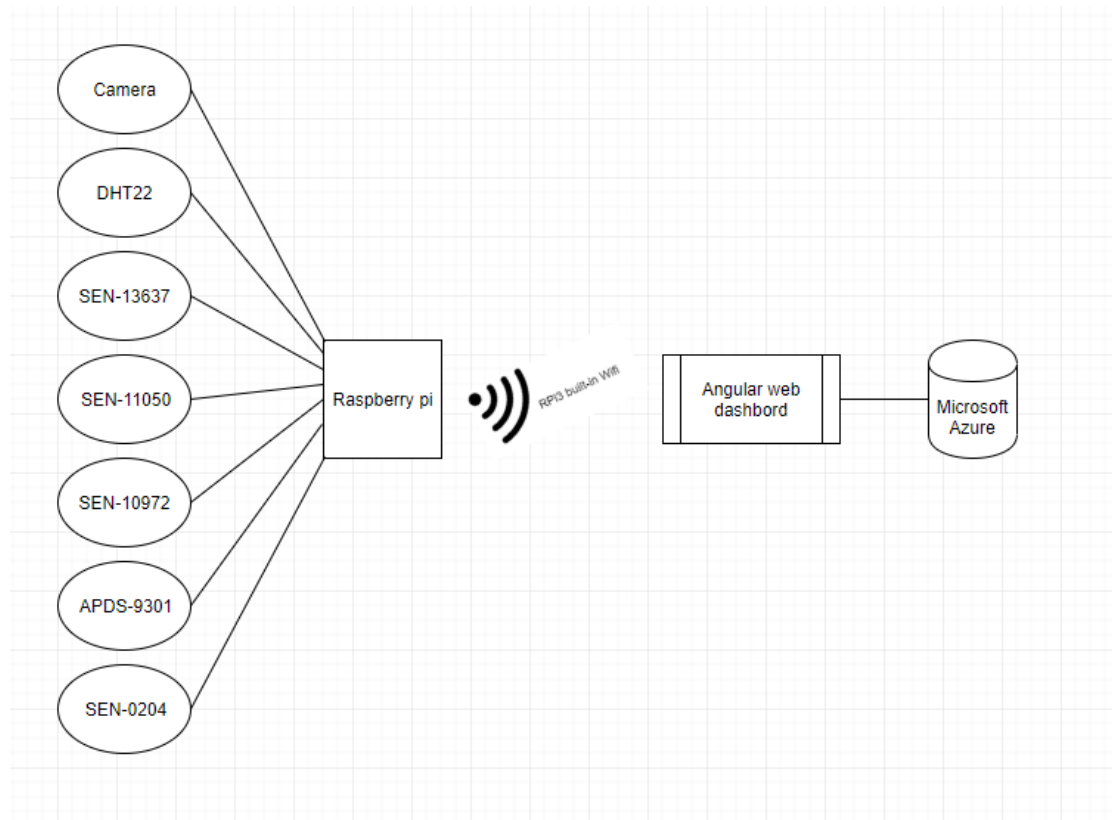
Inventarisatie Software

- ▶ Angular 6 & Node.js
- ▶ Python
- ▶ Microsoft Azure

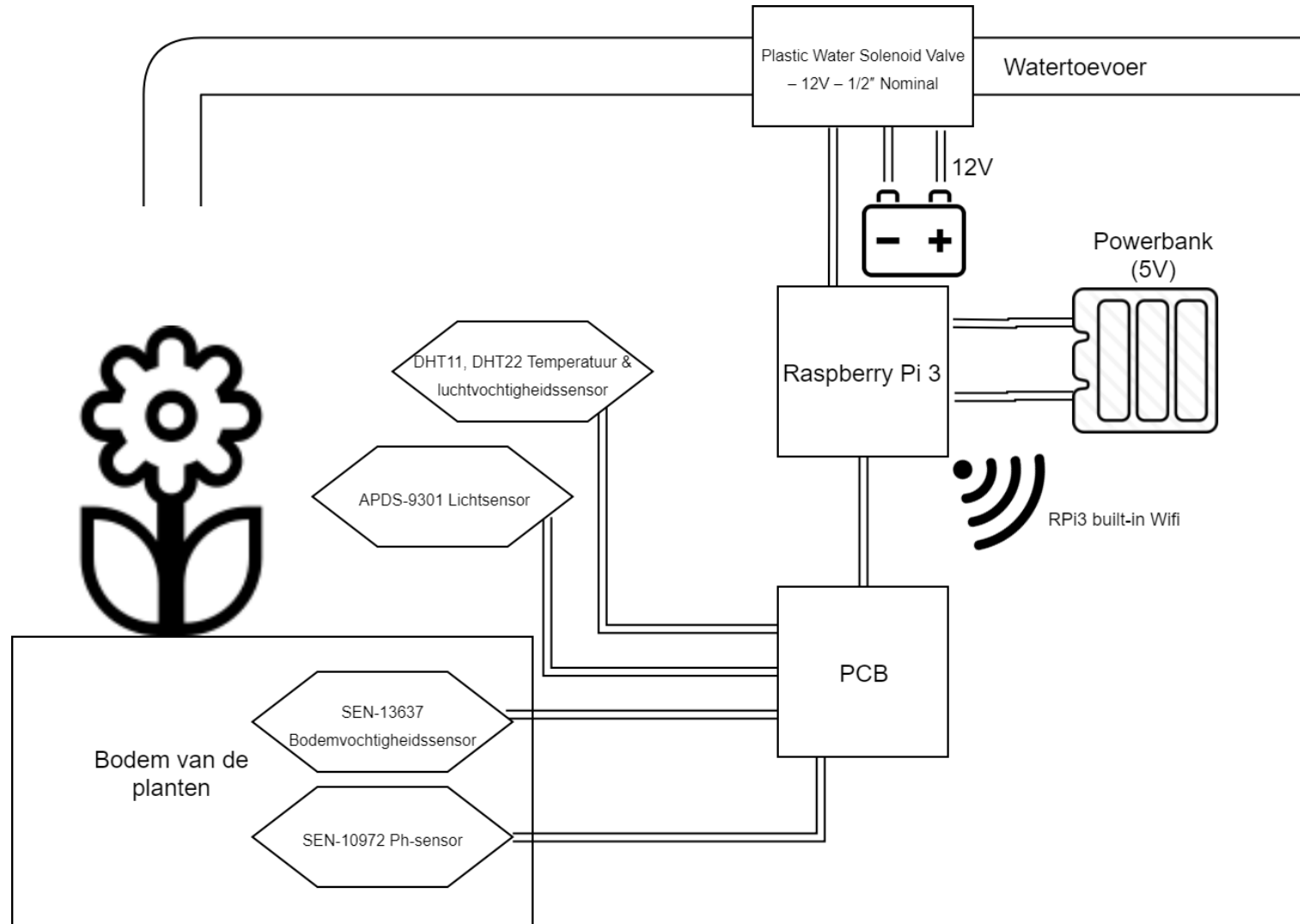
Inventarisatie Hardware

- ▶ DHT22 - Temperatuur & luchtvochtigheid sensor
- ▶ SEN-13637 - Bodemvochtigheid sensor
- ▶ SEN-11050 - Temperatuur sensor (waterproof)
- ▶ SEN-10972 - pH sensor
- ▶ APDS-9301 - Licht sensor
- ▶ SEN-0204 - Water niveau sensor
- ▶ Raspberry Pi 3
- ▶ PCB
- ▶ Kunststof water magneetventiel - 12V
- ▶ SLV Transformer 60W 12V

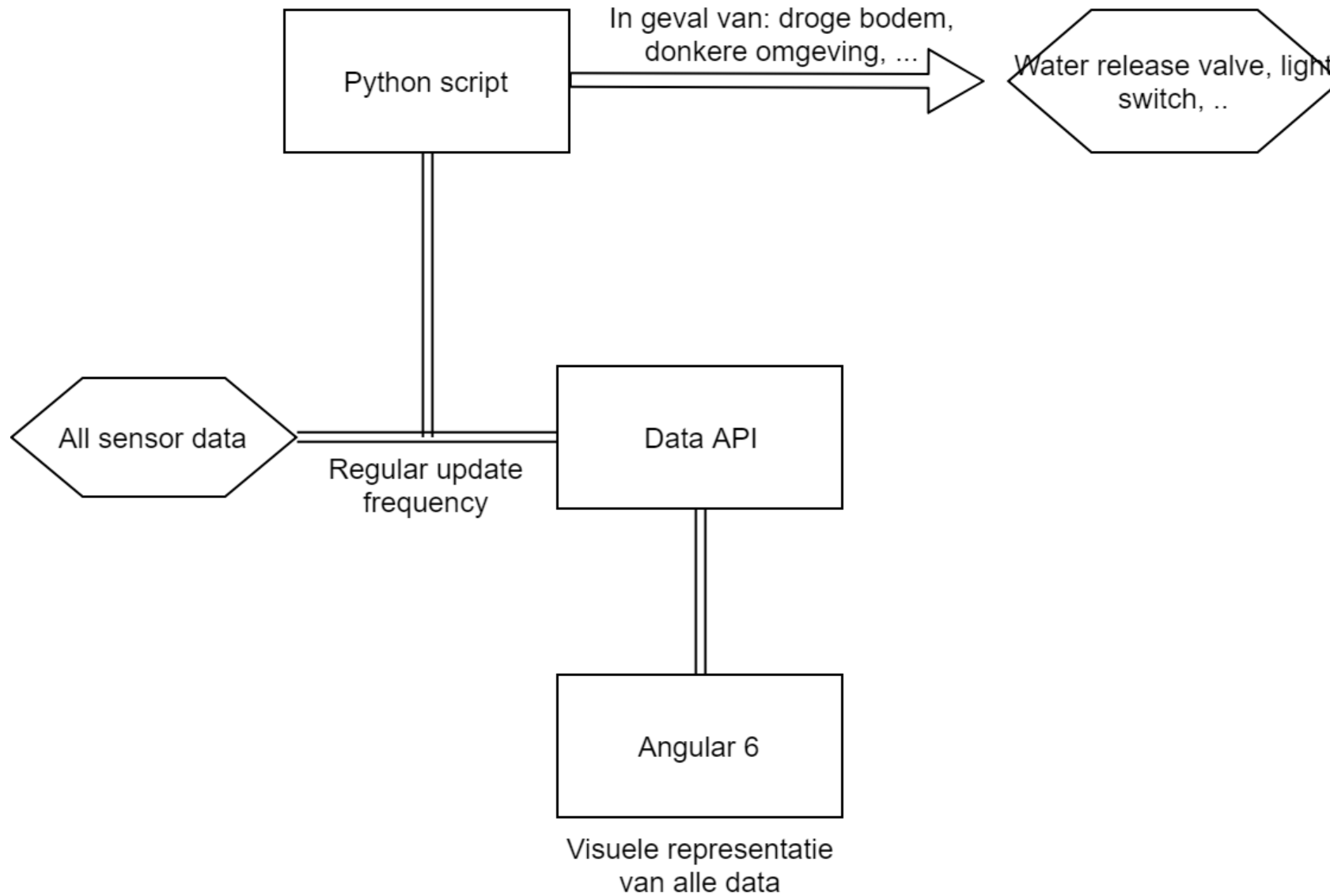
Algemene architectuur



Hardware diagram



Software diagram



Relationele databank diagram

